

	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	60		
15238498.p	PCFQYFLRHFCDIVSKAL	NOLYINLYVD	SMDVVENIDLSSYLNSNLSCA	YANDFTGSAKLT	K	RIRVSIHQRSSVHTDYP	T	A1LNGLEMIIMKNN	NSKSQLS	I	GTTFLPS	GSSSTTKNVMGTIG-LTIG	SILAVLVLGGFTVLYKRRFRDQDGNS	KINWIFHS								
15231393.p	PCFQYFLRHFCDIVSLSL	NOLYINLYVD	SMDVVENIDLSSYLNSNLSCA	YNSDFTQTPKGNS	K	NKRVNCPSTVHTDYP	-	NA1LNGLEMIIMKNN	NSKSQLS	I	GTTFLPS	GSSSTTKNVMGTIG-SAIG	SILAVLVLGGFTVLYKRRFRDQDGNS	KITWMPFS								
49980016.q	GRSSYLIIRHFCDIVSKAA	FOLYINLYVD	SMDVVENIDLSSYLNSNLSCA	FYNDTIPPKSSDPS	G	YFVDTIPPKSSDPS	G	NA1LNGLEMIIMKNN	NSKSQLS	I	GTTFLPS	GSSSTTKNVMGTIG-SAIG	SILAVLVLGGFTVLYKRRFRDQDGNS	KITWMPFS								
AK065468.q	SCPSYLIIRHFCDIVSKAL	NOLYINAYVGFSYAHDD	DLSIQSMNQLATA	IMD	DVLLSSNDAS-N	KLSSISICP	PSTLNNAKMS	SGSOSAFTVGS	SGSNKNLGVIHIG-SVLG	A	VG2ILILVIVLCLCKKK	TLEKQHNS	KITWMPFS									
AK099840.q	RSASYLIIRHFCDIVSKAL	YLIIRHFCDIVSSVP	-	CRHNAYV	DSSENQAIQD	DLSAICNGTIAFP	YRDFDVFVLAASFTPS-G	KLAVYVVESTQKITT	PPGTTKKNNAVWLG-SVCG	AFCFVSVAAAL	HVLRLRKKEKSELRTPTTSQFSTAMM	LLGRISF	I									
AK100137.q	AVSDYLLRLHICDIVSKAT	-	LCVNVNVVGVWRLQD	ESSGDIFSLILATP	L	LMDFVLAASDAKG-	TIITVSISSSTATNALP	GCFELNGLEMIIMRIV	GSTOSIDCATSP	RGSKIXTGHAG-SAVGG	AVLALIAALGCVAVRMLRKKKPVKQBS	NTWVFSAAS-AL										
15225078.p	PCDPMVVRHFCDIVV	DV	CDIFVNS-EKV	RTRIDMTEVNLNGIFGAP	F	FLNUSICLVMDVSSYP-V	EDBINGEPETSKUS	NDKSLDAFDAILPDGS	SSNKSSNTSVGHITAG	L	LSAAL-CVALVFGVVSWSWC	HLKRERRRNRQMO										
AK102524.q	PPAPGSDS	YLVRLH	CDAYSLVSSV	PERATV	I	YD	TA1LNGLEMIIMRIL-TTAC	NAVVEPTM	PPGTTKKNNAVWLG-SVCG	AFCFVSVAAAL	HVLRLRKKEKSELRTPTTSQFSTAMM	LLGRISF	Q									
AK070172.q	GNS	XVVRHLHFC	ESLSSV	GEVD	N	YVLYMQLQAMGTRELAK	YDIA1LNGLEMIIMRIV	AVDMTPASSSG	KTS	EVVVVA	PTAAVLGAVLCLVRLR	ATLTVPEEEKESEVGTFWS	P									
15227790.p	SNEHRYLIRHF	FE-DIL	NSNSDSDYLVF	YXWR-VDPKPS	E	EOPRILASP	FFDCCVNVN-SDGSGL	LNSKSDS	SKS	SSRWHITHD	CAVAAAASV	FLSLLMFLRKKR	KEVEG	TVWSELP	L							
15237872.p	B-	KVRLHVLRLHFC	-	DIVSSLN	O	LYN	YVNFINEYLA	DKLSTLTHFVHLA	L	SPVSVS	PNDSLARVN	ANLNCN	TRP	TCR	R							
15234944.p	PSFNYLIRHFCDIVSKSLN	DLYN	ENVYINGKTAISG	CGLDST	-	VAGNLAAP	YMDIVVNAATLMPG	ELVQICPMG	EDTGKNA	TDLNGC	EF	MGKHGMVAT	AGFVMMFCFICLGA	MAMVYWK	KWKR	F	WL	LPIHAGD				
15226565.p	PSFPMYLVRLHFC	DI	SKSLN	DLYN	ENVYINGKTAISG	CGLDST	VAGDGLAP	YMDIVVNAATLMTD	KL5	LSVCP	PMG	EDTGKNA	TDLNGC	EF	MGKHGMVAT	AGFVMMFCFICLGA	MAMVYWK	KWKR	F	WL	LPIHAGD	
30190023.q	PAGFYLIRH	LF	DIVSKMN	DLYN	ENVFN	GRKAISG	DLYN	ENVYINGKTAISG	YMDIVVNAATLMTD	DDG	S	SGRSKRAA	VGFAMMFC	AGLGA	MAVWYK	WKR	PODWERRS	F	WL	LPIHAGD		
15240228.p	FGDH	YIIRHFCDIVSKSLN	D	LYN	ENFINKL	LSAISADLSS	LTSALGTA	YMDIVVNAATLMTD	SIVLQVCP	PTBNLQSGKPN	NAACSLDGLF	GDYK	GPIGMGS	SKKLADAG	I	GFV	WMLT	LPILHASH				
14630007.q	POCSYLVRLHFC	DI	VSOALN	DLYN	ENVYING	MMGVLN	DLSL	LTVCLAVP	YMDIVVNAATLMTD	SIVLQVCP	PTBNLQSGKPN	NAACSLDGLF	GDYK	GPIGMGS	SKKLADAG	I	GFV	WMLT	LPILHASH			
15239630.p	PDFYLVRLHFC	DI	VSOALN	DLYN	ENVYING	MMGVLN	DLSL	LTVCLAVP	YMDIVVNAATLMTD	SIVLQVCP	PTBNLQSGKPN	NAACSLDGLF	GDYK	GPIGMGS	SKKLADAG	I	GFV	WMLT	LPILHASH			
15241606.p	ACPSYLVRLHFC	ETL	SEVNKE	GYF	SEB	IFIEB	NTQATL	-	EMDVFRMS	GGSWIPM	YD	YIAGS	GSGRHHDLR	RDULPL	EDP	PLVSPF	DLIPRN	EDP	KPSTNSWCP			
15241605.p	ACPSYLVRLHFC	ETL	SEVNKE	GYF	SEB	IFIEB	NTQATL	-	EMDVFRMS	GGSWIPM	YD	YIAGS	GSGRHHDLR	RDULPL	EDP	PLVSPF	DLIPRN	EDP	KPSTNSWCP			
15241880.p	TNE	TYI	MLRHFCE	FO	-	LAKINQK	YVNF	NTQATD	EDT	GRVMS	PMG	EDT	GRVMS	PMG	ED	GRVMS	PMG	ED	TINCPSTS			
15229329.p	KNT	TYI	MLRHFCE	FO	-	LSKINQK	YVNF	NTQATD	EDT	GRVMS	PMG	EDT	GRVMS	PMG	ED	GRVMS	PMG	ED	TINCPSTS			
AK071644.q																						
AK099791.q	ACQY	YLVRLHFC	ETI	SGISK	SKINQ	TFD	DIY	INQTAFS	-	GADVI	IAWS	TLGLP	VYD	FGVFF	PMG	ED	GRVMS	PMG	ED			
AK101775.q	ACQY	YLVRLHFC	ETI	SGISK	SKINQ	TFD	DIY	INQTAFS	-	GADVI	IAWS	TLGLP	VYD	FGVFF	PMG	ED	GRVMS	PMG	ED			
15230520.p	SCQF	YLVRLHFC	EV	SSN	NTI	KINQ	TAEP	-	EDVIAW	TT	NSN	SLA	GLN	P	ED	GRVMS	PMG	ED	DATGWL			
50010003.q	ACQY	YLVRLHFC	EV	SSN	NTI	KINQ	TAEP	-	EDVIAW	TT	NSN	SLA	GLN	P	ED	GRVMS	PMG	ED	DATGWL			
AK065695.q	ACQY	YLVRLHFC	EV	SSN	NTI	KINQ	TAEP	-	EDVIAW	TT	NSN	SLA	GLN	P	ED	GRVMS	PMG	ED	DATGWL			
61820011.q	ACP	TYLRLHFC	ETI	GYP	ITK	VNQSF	YI	NTQATD	EDT	GRVMS	PMG	EDT	GRVMS	PMG	ED	GRVMS	PMG	ED	DTC			
AK102834.q	PPD	YLVRLHFC	ETI	GYP	ITK	VNQSF	YI	NTQATD	EDT	GRVMS	PMG	EDT	GRVMS	PMG	ED	GRVMS	PMG	ED	PPWHL			
AK065956.q	PPD	YLVRLHFC	ETI	GYP	ITK	VNQSF	YI	NTQATD	EDT	GRVMS	PMG	EDT	GRVMS	PMG	ED	GRVMS	PMG	ED	PPWHL			
15221443.p	PNED	YLVRLHFC	ELF	Y	D	K	N	Q	DN	EDV	Y	Y	Y	Y	Y	Y	Y	Y	Y			

	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	80
15238498.p	SGNTTSS	SGNTT	SLASI	-	ASNS	SYRIPLV	AVK	T	TNS	EDP	RNA	IGV	C	Y	CDEN	EMIL	V	Y	EMI	Y
15231393.p	INGTMSGS	KYS	NTT	LTLSI	-	TT	NANYR	I	FAV	KD	PN	PSR	Q	GA	EE	PT	LEM	S	PHR	HLV
49980016.q	NALSFLSTG	RTT	GYT	TTG	-	TS	NTSD	TSR	Y	VV	LN	PSR	Q	GA	EE	PT	LEM	S	PHR	HLV
AK065468.q	NGTLSTG	RTS	GYT	TTG	-	TS	NTSD	TSR	Y	VV	LN	PSR	Q	GA	EE	PT	LEM	S	PHR	HLV
AK099840.q	RSAPPSSAVGS	RS	FTI	DT	NT	AN	P	GG	AA	TT	LN	PSR	Q	GA	EE	PT	LEM	S	PHR	HLV
AK100137.q	GAR	RTS	FG	RSS	IVN	V	V	TT	LN	PSR	Q	GA	EE	PT	LEM	S	PHR	HLV		
15225078.p	RGDDH	QIK	ME	LI	GE	ESL	IPS	Y	TY	PL	IA	KE	AT	DD	DE	PS	LN	PS	PHR	HLV
AK102524.q	HTDQGSSWWD	-	MSN	AGAM	TG	GL	HRM	SM												
AK070172.q	FTP	DG	GE	PS	GS	AV	TP	RR	PS	LDG	AV	KKS	PM	Y	ED	PP	SL	Q	W	
15227790.p	HRGSSD	-	NR	ISQYHNSP	SL	RL	N	Y	PL	IF	TD	LN	DE	Q	ED	PS	LN	PL	Q	W
15237872.p	FRGSSN	-	SR	TH	RTV	SS	SGV	Y	TR	LT	PS	Q	ED	PS	SE	PS	LN	PL	Q	W
15234944.p	STFMTSKGG	-	SQKS	N	YF	YNS	T	LG	LG	PS	Q	ED	PS	Q	ED	PS	LN	PL	Q	W
15226565.p	STFMTSKGG	-	SHKS	N	YF	YNS	T	LG	LG	PS	Q	ED	PS	Q	ED	PS	LN	PL	Q	W
30190023.q	S-F	TT	SSKG	-	Y	TF	SS	T	TL	LG	RF	PS	Q	ED	PS	LN	PL	Q	W	
15240228.p	SSYI	SKG	GS	TS	RT	SS	Y	TF	SS	TL	LG	RF	PS	Q	ED	PS	LN	PL	Q	W
14630007.q	SSFM	ST	CS	RL	SS	Y	TF	SS	Y	TL	LG	RF	PS	Q	ED	PS	LN	PL	Q	W
15239630.p	QTL	YK	STAS	HK	AT	AC	TS	Y	TF	SS	Y	TL	LG	RF	PS	Q	ED	PS	LN	PL
15241606.p	LPHGTD	-	STN	KP	-	AK	SL	P	AD	LC	PL	Y	TF	SS	Y	TF	SS	Y	TL	LG
15241605.p	LHJG	-	STN	KP	-	AK	SL	P	AD	LC	PL	Y	TF	SS	Y	TF	SS	Y	TL	LG
15241880.p	SATK	-	ISGK	SNNG	SH	LS	NL	AAC	LC	RF	PS	Q	ED	PS	Q	ED	PS	LN	PL	Q
15229329.p	SGT	K	ST	ISGK	SNNG	SH	LS	NL	AAC	LC	RF	PS	Q	ED	PS	Q	ED	PS	LN	PL
AK071644.q	HSH	-	TS	GT	SS	GH	TA	I	AG	CR	RF	PS	Q	ED	PS	Q	ED	PS	LN	PL
AK099791.q	NSHTS	-	SAR	H	TTG	Y	ASS	P	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q	W
AK065468.q	NSHTS	-	SAR	H	TTG	Y	ASS	P	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q	W
AK101775.q	NSHSSG	-	SAK	H	TTG	Y	ASS	P	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q	W
AK101775.q	NSHSSG	-	SAK	H	TTG	Y	ASS	P	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q	W
15230520.p	NSHSSG	-	SAK	H	TTG	Y	ASS	P	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q	W
50010003.q	K	-	PS	LN	CR	RF	PS	Q	ED	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q
AK065965.q	HS	-	PS	LN	CR	RF	PS	Q	ED	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q
61820011.q	KSQSAT	-	SGK	TT	NGSH	SM	L	P	AL	CR	RF	PS	Q	ED	PS	LN	PL	Q	W	
AK102834.q	TPVANS	-	RS	PL	Y	RA	ACT	P	ED	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL	Q
AK065956.q	KSTT	DARA	AGK	SP	LN	CR	RF	PS	Q	ED	PS	LN	CR	RF	PS	Q	ED	PS	LN	PL
15221443.p	NSTANAKA	TGG	DR	LN	TA	AS	TM	CR	RF	PS	Q	ED	PS	LN	CR	RF	PS	Q	ED	PS

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 10

 15238498.p ANILLDENIMAKVADPGLSKP^TPE^YIDQTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVMF^FVLCARPV^IPT^TRE^CVNLAE AMWQKKG^LE^HIIDPSL^RCKP^RPSL^RKF^GET^CKLAD^GVDRP^SMGDV^L NLEALQ^LO^GFAVVD^DGP^PED⁻STNMIGELPLR^FN -DYNHGDTSVN^VSAK
 15231393.p ANILLDENFMAKVADPGLSKP^TPE^YIDQTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AMWQKKG^LD^OI^ID^SRG^NR^PPSL^RKF^GET^CKLAD^GVDRP^SMGDV^L NLEALQ^LO^GFAV^DGE^PED^NSTNMIGELPPQIN -NFSQGDTSTVN^VPGT
 49980016.q ANILLDENIMAKVADPGLSKP^TPE^YIDQTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AMWQKKG^LD^OI^ID^SRG^NR^PPSL^RKF^GET^CKLAD^GVDRP^SMGDV^L NLEALQ^LO^GFAV^DGE^PED^NSTNMIGELPPQIN -NAORISSELESTAD
 AK065468.q ANILLDENIMAKVADPGLSKP^TPE^YIDQTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AMWQKKG^LD^OI^ID^SRG^NR^PPSL^RKF^GET^CKLAD^GVDRP^SMGDV^L NLEALQ^LO^GFAV^DGE^PED^NSTNMIGELPPQIN -CQNIGALESLISVT
 AK099840.q SNILLDDG^TAKVADPGLSKP^TPE^YIDETHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE GLIHWORR^DDE^ELT^KVDR^RIA^GCT^VRPA^ALRKY^PET^TVACR^LAD^GQ^DPRP^MEDV^G SLOEV^VFL^OPDGLDASDV^SSSINMVHQLM^PPTS -LHARQR^SAGESETGR
 AK100137.q ANILLDDG^TFMAKVADPGLSKP^TPE^YIDQTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE PDSSVITLQR^SSISS -PDSSVITLQR^SSISS -VTDATV^S
 15225078.p ANILLDDG^TFMAKVADPGLSKP^TPE^YIDQTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AMKIV^VKK^GLE^HIIDPSL^RCK^KL^EEV^VKKY^CV^EIK^CL^SONG^IER^PAMGD^L NLEEM^MLO^VKA^KD -EKAAMV^VDDK^E -ASVVGSTMQ
 AK102524.q TNILLDDG^TAFIAKVADPGLSKP^TPE^YFCGETHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AVS^LQOK^GEL^AKT^TD^PR^AIA^GCT^VRPA^ALRKY^PET^TVACR^LAD^GQ^DPRP^MEDV^G CLEYALQ^LO^VAS -PDSSVITLQR^SSISS -VTDATV^S
 AK070172.q TNILLDDG^TAKVADPGLSKP^TPE^YTQGTHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AMW^SR^GRF^DK^IV^PAV^RGA^DST^TSLRK^F^GET^CKLAD^GVDRP^SMGDV^L NLEEM^MLO^VQS^PSTETALDD^DDSG^AHLFR^DIV -VARRVAPLA^PADASAD
 15227790.p TNILLDDH^TNAKVADPGLSKP^THNQ^D-ESNI^GIN^IKG^TFCYL^PEYF^LQ^THLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE VM^CK^EKG^IDE^ID^PS^LIG^CET^TSLRK^F^GET^CKLAD^GVDRP^SMGDV^L NLEEM^MLO^VQS^PSTETALDD^DDSG^AHLFR^DIV -DSTAINGGSLL^I
 15237872.p TNILLDDQ^TNYVAKVADPGLSKP^TPS^DIDE^THVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AT^EWORK^GQ^LD^VD^PN^IDA^ETEK^CAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^TQ^GKA^ETE^NAK^PD^VV^TPG^S -YGDV^T -DERP^TQ^LQ^DLS^AGSNSI
 15234944.p TNILLDDP^TNAKVADPGLSKP^TSD^DVA^FFGQ^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LLE^KI^ID^PH^VCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15226565.p TNILLDDP^TNAKVADPGLSKP^TSD^DVMQ^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LLE^KI^ID^PH^VCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -P^EVGADK^PADHDG
 30190023.q TNILLDDP^TNAKVADPGLSKP^TSD^DMD^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LLE^KI^ID^PH^VCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15240228.p TNILLDDP^TNAKVADPGLSKP^TSD^DAP^NMD^ECHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AR^TW^RKG^CDN^KI^ID^PH^VCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 14630007.q TNILLDDP^TNAKVADPGLSKP^TSD^DLEQ^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AR^TW^RKG^CDN^KI^ID^PH^VCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15239630.p TNILLDDP^TNAKVADPGLSKP^TSD^DTN^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15241606.p TNILLDDP^TNAKVADPGLSKP^TSD^DTK^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15241880.p TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15229329.p TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 AK071644.q TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 AK065965.q TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 61820011.q TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 AK102834.q TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 AK065956.q TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V
 15221443.p TNILLDDP^TNAKVADPGLSKP^TSD^DTM^NHVSTAVKGSGCYLD^PEYFRRQQLTEKSDVY^SPCVVLF^FVLCARPV^IPT^TRE^CVNLAE AM^WW^KKG^LDN^LQ^ISL^NPK^LSL^NKE^TAK^CCL^EY^PCA^NNP^BSM^KFA^EAA^EKK^CLAD^GVDRP^SMGDV^L NLEALQ^LO^GFA^FQ^GKA^EAE -VETPK^V

1010 1020 1030 1040

 15238498.p EGRFDEEESSVDDGSGVMSM^KVFSQ^LIK^R -SEG^R
 15231393.p AGRFEE^SSSIDDL^SGGVMSM^KVFSQ^LIK^R -SEG^R
 49980016.q ESRT^SSSIDDL^SGGVMSM^KVFSQ^LIK^R -TEGR^R
 AK065468.q MAEAGA^SHEP^DDL^SGGVMSM^KVFSQ^LIK^R -ABGR^R
 AK099840.q TDAD^EDDSSVVD^DD^TDS^AMRG^IIF^MQ^NVMVN^R -VRGR^R
 AK100137.q ANLG^SDD^DDL^SGGVMSM^KVFSQ^LIK^R -EEGR^R
 15225078.p FSVNG^S -VGD^IAGVMSM^KVFAQ^MVR^R -EETR^R
 AK102524.q FL⁻MD^DS^TVIDSGIAN^SK^AF^SQ^IS^S -GDGR^R
 AK070172.q AA⁻CD^DMS^SSETAS^FATG^SVS^FQ^IS^M -RDGR^R
 15227790.p FQNG^DE^KKN^RRF^GTD^SSET^ERV^SQ^LKI^R -SDAR^R
 15237872.p ERDYGD^T -TSG^II^SS^TQ^VPSQ^LMT^R -NAGR^R
 15234944.p EAATV^VPVPAKVEENSGTAVDEH^SG^TATM^TQ^R -FANLNGR^R
 15226565.p AASERPV^SQ^TE^KDD^TST^DVQ^HS^GT^IMT^TQ^R -FASINGR^R
 30190023.q AGAAPAT^SSSG^GV^TEV^DV^STT^AGM^EFAQ^M -LADM^KGR^R
 15240228.p AQVDSL^ED^KTT^MNI^EMD^LQ^IGP^MQ^S -SHSIP^R
 14630007.q DIVDGTSN^OPM^KSL^VTS^GME^KGN^VPSY^VGR^R
 15239630.p FDNS^MSI^IDRG^GVNS^TG^TGT^DDA^EDT^ATT^SAV^VSQL^HPF^GGR^R
 15241606.p STTDD^SV^LV^GGER^SG^SW^GV^FSE^INE^R -PKAR^R
 15241605.p STTDD^SD^VL^VG^GGER^SG^SW^GV^FSE^INE^R -PKAR^R
 15241880.p GESDLGDD^SSEE^N -SGI^IFSQ^IV^N -PKAR^R
 GRDDVS⁻DLS^EDN⁻ -TE^IFSQ^IV^N -PKAR^R
 AK071644.q HPHEPCV^DV^VLE^EDD^VV^AE^RA^IPSQ^LQ^R -PTGR^R
 AK09791.q SISMG^ESVAS^IDE^DGL^TPS^AVE^SQ^IM^N -PKAR^R
 SISMG^EDSV^IAS^IDE^DGL^TPS^AVE^SQ^IM^N -PKAR^R
 15230520.p DMSIGGR^SSL^ASE^DGL^TPS^AVE^SQ^IM^N -PKAR^R
 50010003.q TMSITG^S -Q^TI^IFS^DM^D -POGR^R
 AK065965.q TMSITG^S -Q^TI^IFS^DM^H -POGR^R
 61820011.q SLSITD^RS^IAS^VPS^DGL^TPS^NI^IFSQ^LMT^R -PDGR^R
 AK102834.q SCNLGG^IEE^VPS^CR^AGSQ^DDN^EIV^V -DV^IEV^P
 AK065956.q SFSLPHIREG^EEEHH^SPS^IRE^DPD^R -T
 15221443.p SFTLPAC^SNQ^DS^ETE^SQ^TQ^STA^IEN^N -SA